

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM  
(only for new nonprovisional applications under 37 CFR 1.53(b))

ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

BOX: PATENT APPLICATION

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

*\*\*If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

☐ Continuation ☒ Divisional ☐ Continuation-In-Part (CIP)  
of prior application Serial No. **08/794,851**

Prior application information: Examiner : **P. Ponnaluri**  
Art Unit : **1627**

Enclosed are:

- ☒ 34 sheets of formal drawings with submission document.
- ☐ **Signed** Combined Declaration and Power of Attorney (\_\_\_\_ pages).
- ☒ **Copy of signed** Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d) (for continuation/divisional).
- ☐ **Signed** statement deleting inventor(s) named in prior application (\_\_\_\_ pages) (1.63(d)(2) and 1.33(b)).
- ☒ **Incorporation By Reference:** The entire disclosure of the prior application, from which a **copy** of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- ☐ Assignment (\_\_\_\_ pages) of the invention to \_\_\_\_\_.
- ☐ Assignment Transmittal Letter.
- ☐ Certified copy of a foreign priority document.
- ☐ Associate power of attorney.
- ☐ Applicant claims small entity status. (See 37 CFR 1.27.)

- ☒ Preliminary Amendment (5 pages) with Appendix A (4 pages).
- ☒ Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).
- ☐ **UNSIGNED** Combined Declaration and Power of Attorney (\_\_\_\_\_ pages).
- ☒ Paper copy of Sequence Listing (5 pages).
- ☒ Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.
- ☒ A self-addressed, prepaid postcard acknowledging receipt.
- ☐ Other:

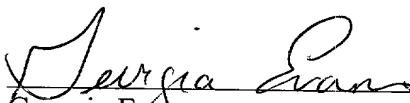
The Filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY			LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE	XXXXXXXX	XXXXXXXX	XXXX	\$355	OR	XXXX	\$710
TOTAL CLAIMS	31 - 20 =	11	x 9 =	\$	OR	x 18 =	\$198
INDEP CLAIMS	1 - 3 =	0	x 40 =	\$	OR	X80 =	\$
[ ] MULTIPLE DEPENDENT CLAIM PRESENTED			x135 =	\$	OR	x270 =	\$
*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2			TOTAL	\$	OR	TOTAL	\$908

- ☒ A check in the amount of **\$908.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**
- ☒ Address all future communications to:

Michael L. Goldman  
NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Date: September 26, 2001

  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: 19603/3355 (CRF D-1595E)  
APPLICANTS: Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi  
TITLE: DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

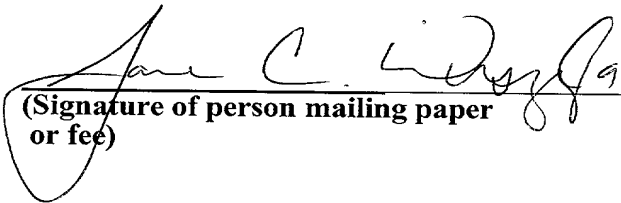
Certificate is attached to the **Patent Application including specification, claims, and abstract (90 pages)**, as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: EL710758046US

DATE OF DEPOSIT: September 26, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

Jane C. Wirszyła  
(Typed or printed name of person  
mailing paper or fee)

  
(Signature of person mailing paper  
or fee)

**EXPRESS MAIL CERTIFICATE**

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DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the Preliminary Amendment (5 pages) with Appendix A  
(4 pages) of the above-named application.

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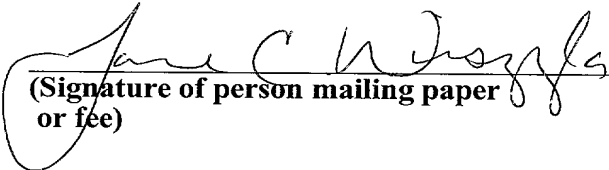
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DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the **Utility Patent Application Transmittal Letter**  
(2 pages) of the above-named application.

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Jane C. Wirszyla  
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mailing paper or fee)

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Barany et al.	)	Examiner:
		)	To Be Assigned
Serial No. :	To Be Assigned	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	

STATEMENT IN ACCORDANCE WITH 37 CFR § 1.821(f)

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Patent Application**

Sir:

In accordance with 37 CFR § 1.821(f), this statement confirms that the contents of the Sequence Listing attached to the subject application as submitted herewith and on the computer readable 3.5" Diskette submitted herewith are the same.

Respectfully submitted,

Date: September 26, 2001

Georgia Evans  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

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DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS

Certificate is attached to the **Statement in Accordance with 37 CFR § 1.821(f)**  
**(1 page), paper copy of Sequence Listing (5 pages), and computer readable 3.5" Diskette**  
of the above-named application.

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Serial No. :	To Be Assigned	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	

SUBMISSION OF FORMAL DRAWINGS

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Patent Application**

Dear Sir:

Enclosed for filing in the subject application are 34 sheets of formal drawings.

Respectfully submitted,

Date: September 26, 2001

Georgia Evans  
Georgia Evans  
Registration No. 44,597

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Certificate is attached to the **Submission of Formal Drawings with 34 sheets of drawings** of the above-named application.

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